

Table 20. Hydrogen and oxygen isotopes in unfiltered ground-water samples collected for the Monterey Bay and Salinas Valley Ground-Water Ambient Monitoring and Assessment (GAMA) study, California, July to October 2005.

[The five-digit number below the constituent name is the U.S. Geological Survey parameter code used to uniquely identify a specific constituent or property; MSMB, Monterey Bay study area well; MSMBFP, Monterey Bay study area flow-path well; MSMBMW, Monterey Bay study area monitoring well; MSPR, Paso Robles study area well; MSSC, Santa Cruz study area well; MSSV, Salinas Valley study area well; MCL-CA, California Department of Health Services maximum contaminant level; δ , notation, in per mil, of the differences in oxygen-18/oxygen-16 and hydrogen-2/hydrogen-1 ratios relative to Standard Mean Ocean Water (SMOW); na, not available; pCi/L, picocuries per liter; —, not detected]

GAMA identification No.	Tritium 2-sigma combined uncertainty (pCi/L) (75985)				GAMA identification No.	Tritium 2-sigma combined uncertainty (pCi/L) (75985)			
	$\delta^2\text{H}$ (per mil) (82082)	$\delta^{18}\text{O}$ (per mil) (82085)	Tritium (pCi/L)			$\delta^2\text{H}$ (per mil) (82082)	$\delta^{18}\text{O}$ (per mil) (82085)	Tritium (pCi/L)	
Threshold type		na	na	MCL-CA	na	Threshold type		na	na
Threshold		na	na	20000	na	Threshold		na	na
MSMB-01	-43.9	-6.26	1.0	1.0	MSMB-44	-37.9	-5.64	7.4	1.0
MSMB-02	-41.9	-6.34	4.5	1.0	MSMB-45	-42.3	-6.60	7.0	1.0
MSMB-03	-50.7	-7.38	—	0.6	MSMB-46	-38.9	-5.70	7.0	1.0
MSMB-04	-45.9	-7.32	2.2	1.0	MSMB-47	-45.6	-6.92	—	1.0
MSMB-05	-37.2	-6.00	3.8	1.0	MSMB-48	-42.9	-6.30	4.5	0.6
MSMB-06	-34.0	-5.81	1.6	0.6	MSMBFP-01	-54.8	-7.94	0.6	1.0
MSMB-07	-35.9	-6.05	0.6	0.6	MSMBFP-02	-38.8	-5.68	9.3	1.0
MSMB-08	-36.9	-6.01	3.8	1.0	MSMBFP-03	-41.9	-6.14	3.8	0.6
MSMB-09	-36.5	-6.14	1.6	1.0	MSMBMW-01	-46.6	-6.78	—	0.6
MSMB-10	-38.5	-5.80	0.6	0.6	MSMBMW-02	-45.3	-6.67	—	0.6
MSMB-11	-42.3	-6.35	1.0	1.0	MSMBMW-03	-41.8	-6.46	—	0.6
MSMB-12	-46.2	-6.80	—	0.6	MSPR-01	-38.3	-5.65	7.0	0.6
MSMB-13	-44.5	-6.59	0.6	0.0	MSPR-02	-40.0	-6.14	4.5	0.6
MSMB-14	-44.8	-6.43	0.6	1.0	MSPR-03	-58.4	-8.30	0.3	0.6
MSMB-15	-43.6	-6.32	2.2	0.6	MSPR-04	-53.0	-7.47	1.6	0.6
MSMB-16	-45.6	-6.72	1.0	0.6	MSPR-05	-56.8	-8.09	0.6	0.6
MSMB-17	-43.2	-6.40	—	1.0	MSPR-06	-43.8	-6.27	1.6	0.6
MSMB-18	-38.6	-6.24	—	0.6	MSPR-07	-45.0	-5.83	—	0.6
MSMB-19	-39.4	-5.94	0.3	1.0	MSPR-08	-44.3	-6.25	0.6	0.6
MSMB-20	-35.4	-5.53	2.6	1.0	MSPR-09	-55.2	-7.93	—	0.6
MSMB-21	-38.0	-6.11	—	0.6	MSPR-10	-49.3	-7.08	—	0.6
MSMB-22	-38.8	-5.81	1.0	0.6	MSPR-11	-50.9	-7.46	—	0.6
MSMB-23	-39.4	-6.04	—	0.6	MSSC-01	-33.8	-5.90	8.0	1.0
MSMB-24	-40.1	-6.14	1.0	0.6	MSSC-02	-28.8	-5.06	7.4	0.6
MSMB-25	-43.0	-6.29	0.3	0.6	MSSC-03	-32.9	-5.66	6.7	1.0
MSMB-26	-43.9	-6.68	1.3	1.0	MSSC-04	-35.4	-5.70	5.4	1.0
MSMB-27	-48.0	-6.81	0.6	0.6	MSSC-05	-38.1	-6.25	—	0.6
MSMB-28	-46.5	-6.66	1.6	0.6	MSSC-06	-32.9	-5.45	4.5	1.0
MSMB-29	-37.8	-5.60	9.0	1.0	MSSC-07	-34.0	-5.80	1.3	1.0
MSMB-30	-43.4	-6.49	0.3	0.6	MSSC-08	-35.6	-5.86	—	0.6
MSMB-31	-41.7	-6.30	6.7	1.0	MSSC-09	-34.2	-6.12	4.5	0.6
MSMB-32	-41.6	-6.13	1.3	0.6	MSSC-10	-39.2	-6.32	—	0.6
MSMB-33	-41.0	-6.28	1.6	0.6	MSSC-11	-38.1	-6.28	—	0.6
MSMB-34	-40.0	-6.08	1.0	1.0	MSSC-12	-36.9	-6.18	—	0.6
MSMB-35	-37.6	-5.37	8.0	1.0	MSSC-13	-34.7	-6.11	13.8	1.0
MSMB-36	-42.3	-6.34	1.6	0.6	MSSV-01	-54.2	-7.41	—	0.6
MSMB-37	-42.4	-6.39	—	1.0	MSSV-02	-34.0	-4.85	6.7	0.6
MSMB-38	-43.7	-6.54	1.9	0.6	MSSV-03	-34.0	-4.59	6.7	0.6
MSMB-39	-45.1	-6.72	1.0	0.6	MSSV-04	-43.7	-6.05	2.2	1.0
MSMB-40	-44.3	-6.74	1.6	0.6	MSSV-05	-36.6	-5.29	6.4	0.6
MSMB-41	-36.2	-5.43	11.8	1.0	MSSV-06	-34.9	-4.87	6.7	1.0
MSMB-42	-44.5	-6.69	6.4	0.6	MSSV-07	-34.2	-4.88	6.0	1.0
MSMB-43	-37.0	-5.32	10.2	0.6	MSSV-08	-33.8	-4.94	7.4	1.0

Table 20. Hydrogen and oxygen isotopes in unfiltered ground-water samples collected for the Monterey Bay and Salinas Valley Ground-Water Ambient Monitoring and Assessment (GAMA) study, California, July to October 2005—Continued.

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GAMA identification No.	$\delta^2\text{H}$ (per mil) (82082)	$\delta^{18}\text{O}$ (per mil) (82085)	Tritium (pCi/L)	Tritium 2-sigma combined uncertainty (pCi/L) (75985)
Threshold type	na	na	MCL-CA	na
Threshold	na	na	20000	na
MSSV-09	-33.1	-4.69	6.4	0.6
MSSV-10	-29.1	-3.83	8.0	1.0
MSSV-11	-45.7	-7.00	8.6	0.6
MSSV-12	-44.8	-7.14	8.0	1.0
MSSV-13	-45.4	-7.15	5.1	0.6
MSSV-14	-43.1	-6.13	5.8	0.6
MSSV-15	-27.0	-3.58	7.0	1.0
MSSV-16	-46.2	-7.16	—	1.0
MSSV-17	-48.2	-7.46	3.5	1.0
MSSV-18	-48.0	-7.04	—	0.6
MSSV-19	-45.2	-6.74	—	0.6